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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/509,689	10/12/2004	Keiji Ninomiya	260007US2PCT	6705
22850	7590 11/10/2005		EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			MAI, ANH D	
	IA, VA 22314		ART UNIT PAPER NUMBER	
	•		2814	
			DATE MAILED: 11/10/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	P			
	10/509,689	NINOMIYA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Anh D. Mai	2814				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	with the correspondence addres	s			
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perions for reply within the set or extended period for reply will, by state that the maximum state of the period for reply will, by state that the period for reply will be supported by the Office later than three months after the maximum state of the period for reply will be supported by the Office later than three months after the maximum states.	DATE OF THIS COMMUN 1.136(a). In no event, however, may a od will apply and will expire SIX (6) MO ute, cause the application to become a	ICATION. The reply be timely filed ENTHS from the mailing date of this communication (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 12	October 2004.					
2a) ☐ This action is FINAL . 2b) ☑ TI	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allow	·		rits is			
closed in accordance with the practice unde	r <i>Ex par</i> te Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims		·				
4) ⊠ Claim(s) <u>1-3</u> is/are pending in the application 4a) Of the above claim(s) is/are withd 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1 and 2</u> is/are rejected. 7) ⊠ Claim(s) <u>3</u> is/are objected to. 8) □ Claim(s) are subject to restriction and	rawn from consideration.					
Application Papers						
9) The specification is objected to by the Exami 10) The drawing(s) filed on 12 October 2004 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction. 11) The oath or declaration is objected to by the	re: a)⊠ accepted or b)☐ ne drawing(s) be held in abeya ection is required if the drawir	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.				
Priority under 35 U.S.C. § 119	•					
12) Acknowledgment is made of a claim for forei a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in riority documents have bee eau (PCT Rule 17.2(a)).	Application No n received in this National Stag	ge			
Attachment(s) 1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date <u>10/12/04</u>. 		o(s)/Mail Date Informal Patent Application (PTO-152 	?)			

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DETAILED ACTION

Drawings

1. Figures 11 and 12 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

2. The disclosure is objected to because of the following informalities:

The first line of the specification should include the status of the application which is a 371 of PCT/JP02/07513 filed July 24, 2002.

Appropriate correction is required.

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested:

MIX SIGNAL CHIP PACKAGE HAVING GROUND TERMINALS ISOLATED FROM EACH OTHER.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsukada et al. (JP. Patent No. 09-223705) of record.

With respect to claim 1, Tsukada teaches a semiconductor device as claimed including: a semiconductor integrated circuit (1) having a first functional block (4) and a second functional block (5);

a package (100) for storing the semiconductor integrated circuit (1) therein; and a ground terminal (2) and signal terminals (8a) exposed to the outside of the package (100), the ground terminal (2) including first (2a) and second (2b) ground terminals isolated from each other,

the signal terminals (8a) including a plurality of first signal terminals (8a) arranged around the ground terminal (2),

the first ground terminal (2b) being electrically connected to the first functional block (4), the second ground terminal (2a) being electrically connected to the second functional block (5). (See Figs. 4, 6).

With respect to claim 2, the second ground terminal (2) surrounds said first ground terminal. (See Fig. 6).

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Allowable Subject Matter

4. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is a statement of reasons for the indication of allowable subject matter: prior art of record fails to teaches a semiconductor device in the combination of the limitations as claimed including: the signal terminal include a second set of signal terminal and the second ground terminal further surrounds the set of second signal terminal (as shown in the embodiment of Figs. 8 and 9).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh D. Mai whose telephone number is (571) 272-1710. The examiner can normally be reached on 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PRIMARY EXAMINER